

BS7835 Single Core Armoured Mains Cable CU XLPE AWA LSZH 12.7/22kV - 50mm2 to 500mm2



Description

BS67835 cables are armoured power cables designed for medium voltage fixed installations, such as power networks and industrial installations, including power supply stations, and sub stations. Can be installed indoors, outdoors, underground, and in cable ducts. These Single core cables have copper conductors with cross-linked polyethylene (XLPE) insulation various screen options, water blocking options, aluminium wire armour and LSZH bedding and outer sheath.

BS7835 have a higher CPR classification than BS6622 which is the available PVC option. The UV resistant LSZH outer sheath means this cable is suitable for Internal use in buildings, power stations, or switchboards and are often run in cable tray for industrial applications. They can also be used externally in cable duct and due to the aluminium wired armour can be buried directly in free draining soil.

Key Features



Voltage Rating 12.7/22 (24)kV



Minimum Bending Radius 15 x Overall Diameter



Flame Retardancy BS EN/IEC 60332-1 BS EN/IEC 60332-3-24



Temperature Limits

Conductor Maximum Operating Temperature: +90°C Maximum Short Circuit Temperature: +250°C

Standards

- BS 7835
- IEC/EN 61034-1/2,
- IEC/EN 60754-1/2
- BS EN/IEC 60332-1-2 & BS EN/IEC 60332-3-24

Construction

- Conductor: Class 2 Copper Conductor
- Conductor Screen: Semi conductive XLPE
- Insulation: Cross Linked polyethylene (XLPE)
- Insulation Screen: Semi-Conductive XLPE
- Metallic Screen: Individual or overall copper tape screen
- Filler: Polyethylene Terephthalate (PET) fibres
- Separator: Binding Tape
- Bedding: Low Smoke Zero Halogen (LSZH)
- Armour: Aluminium Wire Armour (AWA)
- Outer Sheath: Low Smoke Zero Halogen (LSZH)
- Sheath Colour: Red or Black

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.







CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



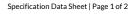
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Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

























BS7835 Single Core Armoured Mains Cable CU XLPE AWA LSZH 12.7/22kV - 50mm² to 500mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
22KVXLPE1X50	50	1	1.40	32.0	1505
22KVXLPE1X70RD	70	1	1.47	34.0	1807
22KVXLPE1X70BK	70	1	1.47	34.5	1807
22KVXLPE1X95	95	1	1.54	36.5	2099
22KVXLPE1X120	120	1	1.57	37.5	2500
22KVXLPE1X150	150	1	1.64	40.0	2745
22KVXLPE1X185	185	1	1.70	41.5	3095
22KVXLPE1X240	240	1	1.78	45.0	4000
22KVXLPE1X300	300	1	1.82	47.5	4598
22KVXLPE1X400	400	1	1.9	50.0	5595
22KVXLPE1X500	500	1	2.0	54.0	6745

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